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(54) Title: OPTICAL RESONANCE ANALYSIS UNIT

(57) Abstract: An optical analysis unit especially suitable for performing grating coupled surface plasmon resonance (SPR) imaging features a pivoting light source capable of scanning through a range of angles of incident light projected onto a stationary target sensor, such as an SPR sensor. The reflected image from the illuminated sensor is detected, e.g., by a CCD camera and the image and angular scan data are processed, for example by a fitting algorithm, to provide real time analysis of reactions taking place on the surface of the sensor.

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